

INTERNATIONAL SEARCH REPORT

International Application No

PCT 2004/003574

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61L2/04 A61L2/07 B01J2/00 B01J3/00 A61K9/00 F16J15/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61L B01J A61K F16J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	WO 03/070285 A (BHATARAH PARVEEN ; GREENWOOD ALAN KENNETH (GB); RESOLUTION CHEMICALS L) 28 August 2003 (2003-08-28) cited in the application page 7, line 4 - page 8, line 13 page 9, line 25 - page 10, line 20; claims 19,20,24-28,74; examples 1-3 ----- -/--	1,2,5-7, 9
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 15 November 2004		Date of mailing of the international search report 10 1 00 00
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Maremonti, M

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 99/07466 A (CATALYTICA ADVANCED TECHNOLOGI ; MICROFLUIDICS INTERNATIONAL CO (US)) 18 February 1999 (1999-02-18) cited in the application</p> <p>page 3, paragraph 2</p> <p>pages 5,7</p> <p>page 8, paragraph 2</p> <p>page 9, paragraph 1</p> <p>page 12, paragraph 1 - page 14, paragraph 1</p> <p>page 28, paragraph 4 - page 31, paragraph 2; figures 1-4,7</p> <p>-----</p>	9

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1,2,5,6,7,9

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2,5,6,7,9

Method and apparatus for producing a comminuted suspension of particles

2. claims: 3,12,30-42

High-pressure seal, particle size reduction apparatus containing the same and method of use of said apparatus

3. claims: 4(part),43-52,63(part)

Method of sterilising a particle size reduction apparatus by using steam, and methods of preparing a particle suspension comprising the same

4. claims: 4(part),53-61,63(part)

Method of sterilising a particle size reduction apparatus by using superheated water, and methods of preparing a particle suspension comprising the same

5. claims: 8,67

Nebule containing a sterile suspension

6. claims: 10,11,14-19

Particle size reduction apparatus

7. claims: 13,20-29

Bushing assembly and particle size reduction apparatus comprising the same

8. claims: 62,64-66

Method of preparing a sterile suspension

9. claims: 68-83

Seal retractor, methods of positioning a seal into a bore and removing a seal from a bore, and method of validating the sterility of a bore by using said retractor

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mation on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03070285	A	28-08-2003	AU 2003246829 A1	09-09-2003
			EP 1476201 A1	17-11-2004
			WO 03070285 A1	28-08-2003

WO 9907466	A	18-02-1999	AU 8686798 A	01-03-1999
			CA 2299284 A1	18-02-1999
			DE 69813254 D1	15-05-2003
			DE 69813254 T2	01-04-2004
			EP 1011856 A1	28-06-2000
			WO 9907466 A1	18-02-1999
			US 6159442 A	12-12-2000
			US 6221332 B1	24-04-2001
